

Date: Thu, 26 May 94 04:30:01 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #577
To: Info-Hams

Info-Hams Digest Thu, 26 May 94 Volume 94 : Issue 577

Today's Topics:

 ARLB045 SM election results
 Converting an old HT-220 to 2M
 Daily Summary of Solar Geophysical Activity for 25 May
 for sale motorola maxtrac 800mhz mobile
 yaesu ft 650 6,10,12 meter for sale

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 25 May 1994 07:59:00 -0600
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.cac.psu.edu!news.pop.psu.edu!
ctc.com!news.mic.ucla.edu!unixg.ubc.ca!quartz.ucs.ualberta.ca!alberta!ve6mgs!
usenet@network.ucsd.edu
Subject: ARLB045 SM election results
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB045
ARLB045 SM election results

ZCZC AG10
QST de W1AW
ARRL Bulletin 45 ARLB045

Date: Thu, 26 May 1994 05:48:01 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!

wa2ise@network.ucsd.edu

Subject: Converting an old HT-220 to 2M

To: info-hams@ucsd.edu

In article <1994May25.203349.11883@oracle.us.oracle.com>

usenet@oracle.us.oracle.com (Oracle News Poster) writes:

> I have a Motorola Ht-220 Type CC3540 Serial # L06K2D Model H33FFN1100E.

>It transmits and Receives on 163.5375 MHz. It has a 15 Volt NiCad. It is

>crystal controlled. I would like to convert this to 2 meter. Does anyone

>know how I can do this? I should be able to swap out crystals, shouldn't I?

> The numbers on the crystals (as best as I can tell) are:

>

> xmit: 18170.8

> rcv: 48912.50

>

these are the crystal freqs in KHz. the xmit crystal is 1/9th the xmit freq.

The recieve crystal freq = (recieve freq - 16.8MHz)/3 The 1st if is 16.8MHz.
2nd is 455KHz.

You'll have to tweak the front end recieve LC circuits some, but don't touch the IFs. And tweak all the xmit LCs. How to tell apart? You should get the service manual. Mine refers to H23ff...., so yours may differ some. You might need to add some tiny caps (both physically and in the pF range) to get the LCs down from 163 to 146.

There is also a "PL Reed" that I will probably need. What
>is this? Motorola wants \$90 I DON'T THINK SO!. I'd like to substitute with
>something a little less pricey.

If the reed is "4A", it may be compatable with the local repeaters. or the
reed circuits could be removed, but there's some small change to make to
the squelch.

As for the NiCads, I wouldn't be suprised that they might be dead now.
I mean not chargable anymore.

I've been using an HT220 board or my packet radio, crystaled on 145.07MHz.
Coupled with a small power amp stage to generate about 8Watts. It's been
going for 5 or more years in this service, and the friend who gave it to
me had it this way (different freq's for voice work) ten or more years
before. It just keeps on going.... We run it off a power supply, and
I'm using a J pole antenna.

Date: Wed, 25 May 1994 21:24:14 MDT

From: ihnp4.ucsd.edu!swrinde!gatech!newsfeed.pitt.edu!nntp.club.cc.cmu.edu!
news.mic.ucla.edu!unixg.ubc.ca!quartz.ucs.ualberta.ca!alberta!ve6mgs!

usenet@network.ucsd.edu

Subject: Daily Summary of Solar Geophysical Activity for 25 May
To: info-hams@ucsd.edu

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

25 MAY, 1994

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 25 MAY, 1994

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 145, 05/25/94
10.7 FLUX=074.2 90-AVG=085 SSN=012 BKI=3544 2324 BAI=021
BGND-XRAY=A2.9 FLU1=1.7E+06 FLU10=1.4E+04 PKI=3544 2324 PAI=020
BOU-DEV=037,081,052,052,018,022,010,044 DEV-AVG=039 NT SWF=00:000
XRAY-MAX= A6.9 @ 0156UT XRAY-MIN= A1.5 @ 2031UT XRAY-AVG= A4.0
NEUTN-MAX= +001% @ 2225UT NEUTN-MIN= -003% @ 1045UT NEUTN-AVG= -0.5%
PCA-MAX= +0.1DB @ 2350UT PCA-MIN= -0.4DB @ 0050UT PCA-AVG= +0.0DB
BOUTF-MAX=55333NT @ 2140UT BOUTF-MIN=55284NT @ 1719UT BOUTF-AVG=55315NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+074,+000,+000
GOES6-MAX=P:+130NT@ 1825UT GOES6-MIN=N:-113NT@ 0507UT G6-AVG=+101,+032,-037
FLUXFCST=STD:074,074,072;SESC:074,074,072 BAI/PAI-FCST=015,010,010/015,010,020
KFCST=3325 4223 3324 4223 27DAY-AP=004,006 27DAY-KP=1111 2111 1231 1013
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 24 MAY 94 was 45.2.

The Full Kp Indices for 24 MAY 94 are: 3+ 5- 4+ 3+ 3- 3- 3- 30

The 3-Hr Ap Indices for 24 MAY 94 are: 18 37 35 20 11 12 14 16

Greater than 2 MeV Electron Fluence for 25 MAY is: 2.3E+07

SYNOPSIS OF ACTIVITY

Solar activity was very low. New Region 7728 (S07E52) was numbered.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field was unsettled to active for most of the past 24 hours. Storm conditions occurred from 25/0300-0600Z. The greater than 2 MeV electron flux was moderate since about 25/0900Z.

Geophysical activity forecast: the geomagnetic field is expected to range from quiet to active for most of the forecast period. Effects of a recurrent disturbance may be seen by the end of the third day.

Event probabilities 26 may-28 may

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 26 may-28 may

A. Middle Latitudes

Active	30/15/30
Minor Storm	15/05/25
Major-Severe Storm	10/05/15

B. High Latitudes

Active	30/15/30
Minor Storm	15/05/25
Major-Severe Storm	10/05/15

HF propagation conditions continued normal over all regions except the high latitude paths during the local night sectors where periodic minor signal degradation occurred. Near-normal conditions should persist over the next 72 hours.

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 25/2400Z MAY

NMBR LOCATION LO AREA Z LL NN MAG TYPE
7728 S07E52 323 0010 BX0 03 002 BETA
7727 N08W39 054 PLAGE

REGIONS DUE TO RETURN 26 MAY TO 28 MAY

NMBR LAT LO
NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 25 MAY, 1994

BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 25 MAY, 1994

BEGIN MAX END LOCATION TYPE SIZE DUR II IV
NO EVENTS OBSERVED

INFERRRED CORONAL HOLES. LOCATIONS VALID AT 25/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
24 May:	0107	0112	0115	B1.2						
	0628	0632	0638	B1.4						
	0645	0651	0655	B7.3						
	1148	1151	1154	B1.0						
	1715	1719	1722	B1.4						
	1808	1813	1817	B3.0	SF	7727	N09W23			
	2000	2007	2011	B1.6						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
--	--	--	--	--	--	--	--	--	--	--
Region 7727:	0	0	0	1	0	0	0	0	001	(14.3)
Uncorrellated:	0	0	0	0	0	0	0	0	006	(85.7)

Total Events: 007 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
								NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Thu, 26 May 1994 06:36:16 GMT
 From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!swrindle!ringer!lonestar.utsa.edu!
 tjenn@network.ucsd.edu
 Subject: for sale motorola maxtrac 800mhz mobile
 To: info-hams@ucsd.edu

motorola maxtrac mobile 800mhz
 in good shape
 \$300 obo

thanks
 terrance

Date: Thu, 26 May 1994 06:30:09 GMT
 From: ihnp4.ucsd.edu!swrindle!ringer!lonestar.utsa.edu!tjenn@network.ucsd.edu
 Subject: yaesu ft 650 6,10,12 meter for sale
 To: info-hams@ucsd.edu

for sale ft650 6 meter
100 watt , box and docs.
like new
\$1100 or best offer

thanks
terrance
n5vzu

Date: (null)
From: (null)
SB QST ARL ARLB045
ARLB045 SM election results

SM election results

Ballots have been counted in Section Manager elections for the North Carolina and Pacific Sections. Their terms of office began April 1, 1994.

The results are as follows:

In the North Carolina Section
Eugene Ribas, Jr N4UMI, 179
Carl Smith, N4AA, 675
Reed Whitten, AB4W, 726
Whitten was declared elected.

In the Pacific Section
Chester Koga, NH6YW, 113
Bob Schneider, AH6J, 141
Schneider was declared elected.

Six other Sections were not contested. The following were declared elected.

In the Eastern New York Section
Paul Vydareny, WB2VUK

In the Eastern Pennsylvania Section
Robert Stanhope, KB3YS

In the Louisiana Section
Lionel Oubre, K5DPG

In the San Diego Section
Patrick Bunsokd, WA6MHZ

In the South Dakota Section
Roland Cory, WQYMB

In the Virginia Section
Edward Dingler, N4KSO

NNNN
/EX

End of Info-Hams Digest V94 #577
